Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' " M.P.E.P. § 601, 7th ed.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Spaper Application
Commissioner for Patents
f.0. Box 1450
Allyandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Adrianus Johannes Heinen

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title): Wheel Provided With Driving Means

EXPRESS MAILING UNDER 37 C.F.R. § 1.10*

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

mail Stop Application

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date _______ 15, 4003 _, in an envelope addressed to the Commissioner Alexandria, VA 223/3-14-50 Mailing

person mailing paper)

Signature of person certifying

Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be WARNING: used to obtain a date of mailing or transmission for this correspondence.

*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).

> "Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

> > (New Application Transmittal [4-1]-page 1 of 15)

1. Type of App	lication
This new appli	ication is for a(n)
	(check one applicable item below)
☐ Origin	al (nonprovisional)
☐ Desig	n
☐ Pla	ınt
U.S.C	ot use this transmittal for a completion in the U.S. of an International Application under 35 C. § 371(c)(4), unless the International Application is being filed as a divisional, continuation intinuation-in-part application.
WARNING: Do n	ot use this transmittal for the filing of a provisional application.
TRANSMI	e following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.
☐ Division	onal.
☐ Contir	nuation.
	nuation-in-part (C-I-P).
	ior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)
claim an internation the benefit the United named in a claim of the	visional application or international application designating the United States of America may invention disclosed in one or more prior-filed copending nonprovisional applications or hal applications designating the United States of America. In order for an application to claim the of a prior-filed copending nonprovisional application or international application designating a States of America, each prior-filed application must name as an inventor at least one inventor the later-filed application and disclose the named inventor's invention claimed in at least one hal later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In each prior-filed application must be:
• • •	nternational application entitled to a filing date in accordance with PCT Article 11 and g the United States of America; or
(ii) Com	plete as set forth in § 1.51(b); or
(iii) Entit	led to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set

fee set forth in § 1.21(I) within the time period set forth in § 1.53(f). 37 C.F.R. § 1.78(a)(1).

forth in § 1.16; or

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention

WARNING: 37 C.F.R. § 1.78(a)(2) deals with the time in which the claim for the benefit of an earlier filing date must be made and states:

"(2)(i) Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application or international application designating the United States of America claiming the benefit of one or more prior-filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain a reference to each such prior-filed application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross references to other related applications may be made when appropriate (see § 1.14).

(ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed application. These time periods are not extendable. Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120 and paragraph (a)(2)(i) of this section is considered a waiver of any benefit under 35 U.S.C. 120, 121, or 365(c) to such prior-filed application. The time periods in this paragraph do not apply if the later-filed application is:

- (A) An application for a design patent;
- (B) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
- (C) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
- (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title.
- (iv) The request for a continued prosecution application under § 1.53(d) is the specific reference required by 35 U.S.C. 120 to the prior-filed application. The identification of an application by application number under this section is the identification of every application assigned that application number necessary for a specific reference required by 35 U.S.C. 120 to every such application assigned that application number."

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICA-TION(S) CLAIMED.

The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

Pages of specification text

Pages of claims

Sheets of drawing

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identification of drawings. Identifying indicia, if provided, should include the title of the invention, inventor's name and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin."

			(complete the following, if applicable)
			he enclosed drawing(s) are photograph(s).
NOT	E: .		.F.R. 1.84
) Photographs.
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	"(1) Black and white. Photographs, including photocopies of photographs, are not ordinarily permitted in utility and design patent applications. The Office will accept photographs in utility and design patent applications, however, if photographs are the only practicable medium for illustrating the claimed invention. For example, photographs or photomicrographs of: electrophoresis gels, blots (e.g., immunological, westem, Southem, and northern), auto radiographs, cell cultures (stained and unstained), histological tissue cross sections (stained and unstained), animals, plants, in vivo imaging, thin layer chromatography plates, crystalline structures, and, in a design patent application, ornamental effects, are acceptable. If the subject matter of the application admits of illustration by a drawing, the examiner may require a drawing in place of the photograph. The photographs must be of sufficient quality so that all details in the photographs are reproducible in the printed patent.
		i	"(2) Color photographs. Color photographs will be accepted in utility and design patent applications if the conditions for accepting color drawings and black and white photographs have been satisfied. See paragraphs (a)(2) and (b)(1) of this section."
		"F	he enclosed drawing(s) are in color. Three (3) sets of color drawings and a PETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. § 1.84(a)(2) and 1.84(b).
NOT	E: .	37 C	.F.R. 1.84(a)
		to suc dra or dra a p	Color. On rare occasions, color drawings may be necessary as the only practical medium by which disclose the subject matter sought to be patented in a utility or design patent application or the bject matter of a statutory invention registration. The color drawings must be of sufficient quality ch that all details in the drawings are reproducible in black and white in the printed patent. Color awings are not permitted in international applications (see PCT Rule 11.13), or in an application, copy thereof, submitted under the Office electronic filing system. The Office will accept color awings in utility or design patent applications and statutory invention registrations only after granting betition filed under this paragraph explaining why the color drawings are necessary. Any such petition ast include the following:
			(i) The fee set forth in § 1.17(h);
			(ii) Three (3) sets of color drawings;
			(iii) A black and white photocopy that accurately depicts, to the extent possible, the subject matter shown in the color drawing; and
		٠ ((iv) An amendment to the specification to insert (unless the specification contains or has been previously amended to contain) the following language as the first paragraph of the brief description of the drawings:
			The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee."
	×	fo	rmal
		in	formal
В.	Ot	her	Papers Enclosed
			Pages of declaration and power of attorney
	_		Pages of abstract

_ Other

4. Addi	itional	papers enclosed
	l Am	nendment to claims
		Cancel in this applications claims before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
		Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
· ·	Pre	eliminary Amendment
	Info	ormation Disclosure Statement (37 C.F.R. § 1.98)
		F.R. § 1.97 (b) An information disclosure statement shall be considered by the Office if filed by plicant within any one of the following time periods:
		Vithin three months of the filing date of a national application other than a continued prosecution lication under § 1.53(d);
		Nithin three months of the date of entry of the national stage as set forth in § 1.491 in an national application;
	(3) E	Before the mailing of a first Office action on the merits; or
WARNIN	3	order to ensure consideration of information previously submitted but which has not been considered in the parent application, an applicant must resubmit the information, complying with 7 C.F.R. § 1.97 and 37 C.F.R. § 1.98, in the continuing application filed under 37 C.F.R. § 1.53(b). ee § 609B(3), M.P.E.P., 7th Edition, Rev. 1.
	For	rm PTO-1449 (PTO/SB/08A and 08B)
	Cit	ations
. 🗖	De	claration of Biological Deposit
	per	bmission of "Sequence Listing," computer readable copy and/or amendment readable the tailor of tailor of the tailor of the tailor of tai
	Aut tive	thorization of Attorney(s) to Accept and Follow Instructions from Representa-
	Sp	ecial Comments
×	Oth	ner Application Vata Sheet
		n or oath (including power of attorney)
	the pri by all applica the sig by a st being declara person	ly executed declaration is not required in a continuation or divisional application provided that for nonprovisional application contained a declaration as required, the application being filed is or fewer than all the inventors named in the prior application, there is no new matter in the ation being filed, and a copy of the executed declaration filed in the prior application (showing nature or an indication thereon that it was signed) is submitted. The copy must be accompanied attement requesting deletion of the names of person(s) who are not inventors of the application filed. If the declaration in the prior application was filed under § 1.47, then a copy of that ation must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently ed declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)–(3).
	is direc abbrev country	aration filed to complete an application must be executed, identify the specification to which it sted, identify each inventor by full name including family name and at least one given name, without iation together with any other given name or initial, and the residence, post office address and y or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 § 1.63(a)(1)–(4).
	as pres as pres is that i this pa	expectorship of a nonprovisional application is that inventorship set forth in the oath or declaration is cribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration is cribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under ragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name less of the inventor or inventors." 37 C.F.R. § 1.41(a)(1).

	Enc	losed
	Exe	cuted by
		(check all applicable boxes)
		inventor(s).
		legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.
		joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
		☐ This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.
X	Not	Enclosed.
th m	e U.S. ay be	the filing is a completion in the U.S. of an International Application or where the completion of application contains subject matter in addition to the International Application, the application treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE WAPPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.
		Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of <i>all</i> the above named inventor(s).
(The de	eclara	ation or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can be filed subsequently).
	•	☐ Showing that the filing is authorized. (not required unless called into question. 37 C.F.R. § 1.41(d))
6. Invento	orshi	p Statement
WARNING	ow	the named inventors are each not the inventors of all the claims an explanation, including the mership of the various claims at the time the last claimed invention was made, should be bmitted.
The inve	entor	ship for all the claims in this application are:
X	The	same.
, ,		or
		the same. An explanation, including the ownership of the various claims at time the last claimed invention was made,
		is submitted.
		will be submitted.
7. Langu	age	
Ar re	n Eng quired	lication including a signed oath or declaration may be filed in a language other than English. Itsh translation of the non-English language application and the processing fee of \$130.00 d by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within such time as may by the Office. 37 C.F.R. § 1.52(d).
X	Eng	·
	Nor	n-English
		The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).

8. Assig	gnment	0 . 0	1 4 1 1 1 1 1
×	An assignment of the	invention to Special Fro	educts for Industry v.c
		eparate "COVER SHEET PANYING NEW PATENT APP ched.	
	will follow.		
		l with a new application, send two se Notice of May 4, 1990 (1114 O.G.	
WARNIN		TIFICATE UNDER 37 C.F.R. § 3.73(b) d by an assignee. Notice of April 30	
	This is a continue	ation 🗌 divisional applicat	ion and the assignment
	document for the par	rent application 0 /	was filed
	on		
	·		Reel
			Frame
9. Certi	fied Copy		
Certifie	ed copy(ies) of applicati	on(s)	
Coun	try	Appln. No.	· Filed
Coun	try	Appln. No.	Filed
Coun	try	Appln. No.	Filed
from whi	ch priority is claimed		
	is (are) attached.		•
	will follow.		
NOTE:	37 C.F.R. § 1.55 Claim for fo	reign priority.	
	"(a) * * *		
	during the pendency of the of the application or sixteer period is not extendable. The as well as any foreign application for which intellectual property authorities.	on filed under 35 U.S.C. 111(a), the application, and within the later of for months from the filing date of the le claim must identify the foreign application for the same subject matter in priority is claimed, by specifying the ty), day, month, and year of its filingtion under 35 U.S.C. 111(a) if the application in the same subject matter ity).	ur months from the actual filing date prior foreign application. This time dication for which priority is claimed, and having a filing date before that the application number, country (or The time periods in this paragraph
	(A) A design application; or		
	(B) An application filed before	ore November 29, 2000.	
•	* * * * *		
	priority under 35 U.S.C. 1 paragraph (a) of this section 119(a)-(d) or 365(a) is prese- claim may be accepted if the number, country (or intelled	repted in accordance with the provising 19(a)-(d) or 365(a) not presented voice considered to have been waived. In the after the time period provided a claim identifying the prior foreign approperty authority), and the date the claim to accept a delayed claim foreign by:	vithin the time period provided by If a claim for priority under 35 U.S.C. by paragraph (a) of this section, the olication by specifying its application y, month, and year of its filing was

- (1) The claim under 35 U.S.C. 119(a)-(d) or 365(a) and this section to the prior foreign application, unless previously submitted;
 - (2) The surcharge set forth in § 1.17(t); and
- (3) A statement that the entire delay between the date the claim was due under paragraph (a)(1) of this section and the date the claim was filed was unintentional. The Commissioner may require additional information where there is a question whether the delay was unintentional."

NOTE: 37 C.F.R. § 1.63 Oath or declaration.

- "(a) An oath or declaration filed under § 1.51(b)(2) as a part of a nonprovisional application must:
- (c) Unless such information is supplied on an application data sheet in accordance with § 1.76, the oath or declaration must also identify:
 - (2) Any foreign application for patent (or inventor's certificate) for which a claim for priority is made pursuant to § 1.55, and any foreign application having a filing date before that of the application on which priority is claimed, by specifying the application number, country, day, month, and year of its filing."

The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 C.F.R. § 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. § 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 C.F.R. § 1.16)

A. Regular application

	C	CLAIMS AS FI	LED		
Number filed	!	Number Extra		Rate	Basic Fee 37 C.F.R. § 1.16(a) \$750.00
Total Claims (37 C.F.R. § 1.16(c))	20 - 20 =		×	\$ 18.00	
Independent Claims (37 C.F.R. § 1.16(b))	2 - 3 =		×	\$ 84.00	
Multiple dependent c if any (37 C.F.R. §	• • •	1	+	\$280.00	280.00
☐ Amendme	nt cancelling ex	tiple-depende	ncies	is enclosed	
NOTE: If the fees for ext prior to the exp		id on filing they mo	ust be	paid or the clain	ns cancelled by amendment and Trademark Office in any
	Filing F	ee Calculatio	n		\$ 1030.00

D.	(\$330.00—37 C.F.R. § 1.16(f))	
	Filing Fee Calculation	\$
C.	Plant application (\$520.00—37 C.F.R. § 1.16(g))	
	Filing fee calculation	\$

11. Assertion of Small Entity Status

Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27

NOTE: 37 C.F.R. § 1.27(c) deals with the assertion of small entity status, whether by a written specific

37 C.F.R. § 1.27(c) deals with the assertion of small entity status, whether by a written specific declaration thereof or by payment as a small entity of the basic filing fee or the fee for the entry into the national phase and states:

- "(c) Assertion of small entity status. Any party (person, small business concern or nonprofit organization) should make a determination, pursuant to paragraph (f) of this section, of entitlement to be accorded small entity status based on the definitions set forth in paragraph (a) of this section, and must, in order to establish small entity status for the purpose of paying small entity fees, actually make an assertion of entitlement to small entity status, in the manner set forth in paragraphs (c)(1) or (c)(3) of this section, in the application or patent in which such small entity fees are to be paid.
- (1) Assertion by writing. Small entity status may be established by a written assertion of entitlement to small entity status. A written assertion must:
 - (i) Be clearly identifiable;
 - (ii) Be signed (see paragraph (c)(2) of this section); and
 - (iii) Convey the concept of entitlement to small entity status, such as by stating that applicant is a small entity, or that small entity status is entitled to be asserted for the application or patent. While no specific words or wording are required to assert small entity status, the intent to assert small entity status must be clearly indicated in order to comply with the assertion requirement.
- (2) Parties who can sign and file the written assertion. The written assertion can be signed by:
 - (i) One of the parties identified in § 1.33(b) (e.g., an attorney or agent registered with the Office), § 3.73(b) of this chapter notwithstanding, who can also file the written assertion;
 - (ii) At least one of the individuals identified as an inventor (even though a § 1.63 executed oath or declaration has not been submitted), notwithstanding § 1.33(b)(4), who can also file the written assertion pursuant to the exception under § 1.33(b) of this part; or
 - (iii) An assignee of an undivided part interest, notwithstanding §§ 1.33(b)(3) and 3.73(b) of this chapter, but the partial assignee cannot file the assertion without resort to a party identified under § 1.33(b) of this part.
- (3) Assertion by payment of the small entity basic filing or basic national fee. The payment, by any party, of the exact amount of one of the small entity basic filing fees set forth in §§ 1.16(a), (f), (g), (h), or (k), or one of the small entity basic national fees set forth in §§ 1.492(a)(1), (a)(2), (a)(3), (a)(4), or (a)(5), will be treated as a written assertion of entitlement to small entity status even if the type of basic filing or basic national fee is inadvertently selected in error.
 - (i) If the Office accords small entity status based on payment of a small entity basic filing or basic national fee under paragraph (c)(3) of this section that is not applicable to that application, any balance of the small entity fee that is applicable to that application will be due along with the appropriate surcharge set forth in § 1.16(e), or § 1.16(l).
 - (ii) The payment of any small entity fee other than those set forth in paragraph (c)(3) of this section (whether in the exact fee amount or not) will not be treated as a written assertion of entitlement to small entity status and will not be sufficient to establish small entity status in an application or a patent."

WARNING: 37 C.F.R. § 1.27(c)(4): "Assertion required in related, continuing, and reissue applications. Status as a small entity must be specifically established by an assertion in each related, continuing and reissue application in which status is appropriate and desired. Status as a small entity in one application or patent does not affect the status of any other application or patent, regardless of the relationship of the applications or patents. The refiling of an application under § 1.53 as a continuation, divisional, or continuation-in-part application (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application, requires a new assertion as to continued entitlement to small entity status for the continuing or reissue application." "Small entity status must not be established when the person or persons signing the . . . statement WARNING: can unequivocally make the required self-certification." M.P.E.P., § 509.03 (emphasis added). (complete the following, if applicable) Status as a small entity was asserted in the prior application _, filed on _ ___, from which benefit is being claimed for this application under: 35 U.S.C. § 🔲 119(e) □ 120 □ 121 ☐ 365(c) and which status as a small entity is still proper and asserted for this application. A copy of the written assertion of small entity filed in the prior application is included. NOTE: A refund based on establishment of small entity status, of a portion of fees timely paid in full prior to establishing status as a small entity may only be obtained if an assertion under § 1.27(c) and a request for a refund of the excess amount are filed within three months of the date of the timely payment of the full fee. The three-month time period is not extendable under § 1.136. 37 C.F.R. § 1.28(a). Filing Fee Calculation (50% of A, B or C above) 515.00 Request for International-Type Search (37 C.F.R. § 1.104(d)) (complete, if applicable) Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

3. F €	Payr	nent Being Made at This Time	
Þ	Not	Enclosed	
	`X	No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § subsequently.)	1.16(e) can be paid
	Enc	losed	,
		Filing fee	\$
		Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)	\$
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i))	\$
		For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(i))	\$
		Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))	\$
		Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e))	\$
; ;	ailing to 37 C.F.I either th	R. § 1.21(I) establishes a fee for processing and retaining any applicate complete the application pursuant to 37 C.F.R. § 1.53(f) and this, R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit the basic filing fee must be paid, or the processing and retention feet year from notification under § 53(f).	, as well as the changes to of a prior U.S. application,
		Total fees enclosed	\$
l. Met	hod c	of Payment of Fees	
		ched is a	
	Auth	norization is hereby made to charge the amount of \$	
		to Deposit Account No.	
		to Credit card as shown on the attached credit card ition form PTO-2038.	information authoriza-
WARNIN	G: Cre	edit card information should not be included on this form as it ma	y become public.
		rge any additional fees required by this paper or cre n e manner authorized above. To Deposi't Azwon't	
		A duplicate of this paper is attached	

15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexp cted high charges, if extra claim charges are authorized.

WARNING: Even though small entity status is accorded where the wrong type of small entity basic filing fee or basic national fee is selected but the exact amount of the fee is paid, applicant still needs to pay the correct small entity amount for the basic filing or basic national fee where selection of the wrong type of fee results in a deficiency. While an accompanying general authorization to charge any additional fees suffices to pay the balance due of the proper small entity basic filing or basic national fee, specific authorizations to charge fees under § 1.17 or extension of time fees do not suffice to pay any balance due of the proper small entity basic filing or basic national fee because they do not actually authorize payment of small entity amounts. Changes To Implement the Patent Business Goals; Final Rule [Fed. Reg.: September 8, 2000, pages 54603-54683, at 54611; OG: October 3, 2000, pages 14-39].

The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application.

37 C.F.R. § 1.16(a), (f) or (g) (filing fees)

37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).

37 C.F.R. § 1.17 (application processing fees)

NOTE: ". . . A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

☐ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE: Section 1.311(b) provides that an authorization to charge the issue fee (§ 1.18) to a deposit account may be filed in an individual application only after the mailing of the notice of allowance. Accordingly, general authorizations to pay fees and specific authorizations to pay the issue fee that are filed prior to the mailing of a notice of allowance will generally not be treated as requesting payment of the issue fee and will not be given effect to act as a reply to the notice of allowance. Applicant, when paying the issue fee, should submit a new authorization to charge fees, such as by completing box 6b on the current PTOL-85B form. Where no reply to the notice of allowance is received, the application will stand abandoned notwithstanding the presence of general authorizations to pay fees or a specific authorization to pay the issue fee that were submitted prior to mailing of the notice of allowance. Where an attempt is made to pay the issue fee but an incorrect amount is submitted, § 1.311(b)(1), or where the Office's issue fee transmittal form (currently PTOL-85(B)) is completed by applicant and submitted, § 1.311(b)(2), in reply to a notice of allowance, an exception will be made. Such submissions will operate as a request to charge the issue fee to any deposit account identified in a previously filed (i.e., submitted prior to the mailing of the notice of allowance) authorization to charge fees, and will be allowed to act as payment of the correct issue fee. § 1.311(b). See also the change to § 1.26(b). Notice of September 8, 2000, Fed. Reg. 54603-54683, at 54646 and 54647.

NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . the issue fee. . . " From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

16. Instructions as to Overpaym nt

NOTE: ". . . Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

X	Credit Account No.	50-03/0	
	Refund		

Reg. No. 33	3, 701
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Tel. No. (215)963-5055

Customer No.

SIGNATURE OF PRACTITIONER

Danjel M. Golub

(type or print name of attorney)

1701 Market Street

P.O. Address

Philadelphia, PA 19103

(New Application Transmittal [4-1]—page 13 of 15)

X	Incor	poration by r fer nc of added pages
	pr sta th	heck the following item if the application in this transmittal claims the benefit of rior U.S. application(s) (including an international application entering the U.S. age as a continuation, divisional or C-I-P application) and complete and attach e ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF RIOR U.S. APPLICATION(S) CLAIMED)
	A	Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed Number of pages added
	X	Plus Added Pages for Papers Referred to in Item 4 Above Number of pages added
		Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.
	_	Number of pages added
		Plus "Assignment Cover Letter Accompanying New Application"
		Number of pages added
	State	ment Where No Further Pages Added
		no further pages form a part of this Transmittal, then end this Transmittal with is page and check the following item)
		This transmittal ends with this page.

ADDED PAGE(S) FOR SPECIAL COMMENTS FOR NEW APPLICATION TRANSMITTAL

Added page _____

(Added Page(s) for Special Comments for New Application Transmittal [4-1]—page 15 of 15)

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

(37 C.F.R. § 1.78)

17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. § 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. § 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. § 119, 365(a) or 365(b).) For a c-I-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

Amend the specification by inserting, before the first line following the title, the following sentence:

A. 35 U.S.C. § 119(e)

NOTE: 37 C.F.R. § 1.78(a)(4) and (5):

"(4) A nonprovisional application, other than for a design patent, or an international application designating the United States of America may claim an invention disclosed in one or more prior-filed provisional applications. In order for an application to claim the benefit of one or more prior-filed provisional applications, each prior-filed provisional application must name as an inventor at least one inventor named in the later-filed application and disclose the named inventor's invention claimed in at least one claim of the later-filed application in the manner provided by the first paragraph of 35 U.S.C. 112. In addition, each prior-filed provisional application must be entitled to a filing date as set forth in § 1.53(c); and the basic filing fee set forth in § 1.16(k) must be paid within the time period set forth in § 1.53(g).

(5)(i) Any nonprovisional application or international application designating the United States of America claiming the benefit of one or more prior-filed provisional applications must contain or be amended to contain a reference to each such prior-filed provisional application, identifying it by the provisional application number (consisting of series code and serial number).

- (ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed provisional application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed provisional application. These time periods are not extendable. Except as provided in paragraph (a)(6) of this section, the failure to timely submit the reference is considered a waiver of any benefit under 35 U.S.C. 119(e) to such prior-filed provisional application. The time periods in this paragraph do not apply if the later-filed application is:
 - (A) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
 - (B) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
- (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title."

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4]

	"This application claims the benefit of U.S.	
	APPLICATION NO(S).:	FILING DATE
		"
		<u>"</u>
WARNING:	37 C.F.R. § 1.78(5)(iv): "(iv) If the prior-filed provision than English and an English-language translation of statement that the translation is accurate were not application or the later-filed nonprovisional application of time within which to file an English-language trans provisional application and a statement that the translapplication, failure to timely reply to such a notice w	the prior-filed provisional application and a previously filed in the prior-filed provisional a applicant will be notified and given a period lation of the non-English-language prior-filed ation is accurate. In a pending nonprovisional
	Language of Prior Filed Provision	onal Application
(Si	upply information for each provisional whos	e benefit is being claimed)
The above	identified prior filed provisional application	whose benefit is being claimed
	was filed in the English language	·
	was filed in a language other than English a a statement that the translation is accurate w	•
	was filed in a language other than English a a statement that the translation is accurate	
	· ·	
B. 35 L	I.S.C. Sections 120, 121 and 365(c)	
WARNING:	The applicable provisions for the time and manner of filing date are set forth in 37 C.F.R. § 1.78(a)(1) and	
	"(a)(1) A nonprovisional application or international America may claim an invention disclosed in one of applications or international applications designating application to claim the benefit of a prior-filed copendiapplication designating the United States of America an inventor at least one inventor named in the late inventor's invention claimed in at least one claim of the by the first paragraph of 35 U.S.C. 112. In addition,	r more prior-filed copending nonprovisional the United States of America. In order for an ing nonprovisional application or international a, each prior-filed application must name as r-filed application and disclose the named later-filed application in the manner provided
	(i) An international application entitled to a filing designating the United States of America; or	date in accordance with PCT Article 11 and
	(ii) Complete as set forth in § 1.51(b); or	
	(iii) Entitled to a filing date as set forth in § 1.53 fee set forth in § 1.16; or	3(b) or § 1.53(d) and include the basic filing
	(iv) Entitled to a filing date as set forth in § 1.53 retention fee set forth in § 1.21(l) within the time p	

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4] —page 2 of 8)

- (2)(i) Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application or international application designating the United States of America claiming the benefit of one or more prior-filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain a reference to each such prior-filed application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross references to other related applications may be made when appropriate (see § 1.14).
 - (ii) This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed application. These time periods are not extendable. Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120 and paragraph (a)(2)(i) of this section is considered a waiver of any benefit under 35 U.S.C. 120, 121, or 365(c) to such prior-filed application. The time periods in this paragraph do not apply if the later-filed application is:
 - (A) An application for a design patent;
 - (B) An application filed under 35 U.S.C. 111(a) before November 29, 2000; or
 - (C) A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.
 - (iii) If the later-filed application is a nonprovisional application, the reference required by this paragraph must be included in an application data sheet (§ 1.76), or the specification must contain or be amended to contain such reference in the first sentence following the title.
 - (iv) The request for a continued prosecution application under § 1.53(d) is the specific reference required by 35 U.S.C. 120 to the prior-filed application. The identification of an application by application number under this section is the identification of every application assigned that application number necessary for a specific reference required by 35 U.S.C. 120 to every such application assigned that application number."

,	to every each application accigned that applica	mon number.		
X "	This application is a			
` [☐ continuation	•		
×	continuation-in-part	•		
	divisional			
of cope	ending application(s)			
Þ	application number/0 / 205, 405	filed on July 26, 2002	_"	
	International Applicationwhich designated the U.S."	filed on	_ and	
NOTE:	The proper reference to a prior filed PCT application serial number and the filing date of the PCT application		ne U.S.	
NOTE:	(1) Where the application being transmitted adds subject matter to the International Application, then the filing can be as a continuation-in-part or (2) if it is desired to do so for other reasons then the filing can be as a continuation.			
	(Added Pages for Application Transmittal Where Ber	efit of Prior U.S. Application(s) Claimed		

	"The nonprovisional application designation of the filed	nated above, namely application, claims the benefit of U.S.
	Provisional Application(s) No(s).:	, claims the belieff of 0.5.
	APPLICATION NO(S).:	FILING DATE
	/	
		"
C Dul	blication of International Application—Pr	
	5 U.S.C. 154 Contents and term of patent; provisional	
NOIE. 3	(d)(4) REQUIREMENTS FOR INTERNATIONAL AP	•
	(A) EFFECTIVE DATE.—The right under paragraph the publication under the treaty defined in section 3 the United States shall commence on the date on we a copy of the publication under the treaty of the interest the treaty of the international application is in a language.	151(a) of an international application designating which the Patent and Trademark Office receives rnational application, or, if the publication under guage other than English, on the date on which
The inte	ernational application corresponding to the	instant application
	was	•
	was not	
ublished	under PCT Article 21(2) in the English lan	guage.
	An English translation of the international	application is attached.
8. Rela	te Back—35 U.S.C. § 119 Priority Claim	for Prior Application
NOTE: 3	7 C.F.R. § 1.55 Claim for foreign priority.	
	"(a) An applicant in a nonprovisional application ma more prior foreign applications under the conditions (f), 172, and 365(a) and (b).	
	(1)(i) In an original application filed under 35 U.S.C. during the pendency of the application, and withir date of the application or sixteen months from the time period is not extendable. The claim must ider claimed, as well as any foreign application for the before that of the application for which priority is country (or intellectual property authority), day, more	the later of four months from the actual filing filing date of the prior foreign application This ntify the foreign application for which priority is a same subject matter and having a filing date claimed, by specifying the application number,

р

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(ii) In an application that entered the national stage from an international application after compliance with 35 U.S.C. 371, the claim for priority must be made during the pendency of the application and within the time limit set forth in the PCT and the Regulations under the PCT."

paragraph does not apply to an application for a design patent.

(2) The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) or PCT Rule 17 must, in any event, be filed before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by the processing fee set forth in § 1.17(i), but the patent will not include the priority claim unless corrected by a certificate of correction under 35 U.S.C. 255 and § 1.323.

٨	1.4	Lo-	lands	1014季182	January	26. 2000	
C	ount	ry	1071015	<u>/の/4季/82</u> Appin. No.		Filed	
The	e cer	tified	d copy(ies) has (h	nave)			
,,				, in prior applica	tion 0 /	,	
-		is (are) attached.				
	Mair	th ap a st st pr do to er th st	the International Bureau oplication in the composition communication communication. Serial number unlarge is not entered. To resecution of a continuouments from the follower and make a recorder priority documents fage may not be relies optional.	the priority application that may have be a may not be relied on without any need to tinuing application. This is so because ated by the International Bureau is placeless the national stage is entered. Such for Therefore, such certified copies may not be using application. An alternative would be ders and transfer them to the continuing seve the folders, make suitable record not and of such copies in the Continuing Applications of on. Notice of April 28, 1987 (1079 Otherwood Prior Application	to file a certified copy of the certified copy of the certified copy of the disposed of it the available if needed to the physically remove application. The resour that the certified in the certified in the certified that have not entered	of the priority the priority not assigned f the national d later in the e the priority nots required tified copies, Accordingly,	
NOT	re	espon		copy of the petition filed in the prior a papers constituting the filing of the c G. 27).			
A.		Ext	Extension of time in prior application				
(TI	nis it	em r		ted and the papers filed in the set in the prior application has i		, if the	
			A petition, fee and response extends the term in the pending prior applicantil		pplication		
		A copy of the petition filed in prior application is attached.					
B. Conditional Petition for Extension of Time in Prior Application		Application					
			(complete ti	nis item, if previous item not ap	pplicable)		
			A conditional peapplication.	etition for extension of time is bei	ing filed in the pen	ding prior	
•			A copy of the o	conditional petition filed in the p	prior application is	attached.	
	ú	Addeo	d Pages for Applicati	on Transmittal Where Benefit of Prior L	J.S. Application(s) Clai	med [4-1.4]	

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4]
---page 5 of 8)

20. Fu	urthe	Inv nto	rship Statem nt Wh r B n fit it Prior Application(s) Claim a
		(C	omplete applicable item (a), (b) and/or (c) below)
(a) [а		eation discloses and claims only subject matter disclosed in the prior whose particulars are set out above and the inventor(s) in this are
		the sa	me.
			han those named in the prior application. It is requested that the ing inventor(s) identified for the prior application be deleted:
			(type name(s) of inventor(s) to be deleted)
(b) [а	new dec	cation discloses and claims additional disclosure by amendment and claration or oath is being filed. With respect to the prior application, or(s) in this application are
] the sa	me.
		the fo	llowing additional inventor(s) have been added:
			(type name(s) of inventor(s) to be deleted)
(c)	X T	ne invent	orship for all the claims in this application are
	` 🎾	the sa	ime.
	Ĺ		e same. An explanation, including the ownership of the various claims time the last claimed invention was made
] is sub	mitted.
] will be	e submitted.
21. A	band	onment (of Prior Application (if applicable)
(p is	ending, o granted,	andon the prior application at a time while the prior application is r when the petition for extension of time or to revive in that application and when this application is granted a filing date, so as to make this copending with said prior application.
NOTE:	part reviv	application e and shou	Notice of May 13, 1983 (103, TMOG 6-7), the filing of a continuation or continuation-ins a proper response with respect to a petition for extension of time or a petition to all include the express abandonment of the prior application conditioned upon the petition and the granting of a filing date to the continuing application.
		n for Su ment	spension of Prosecution for the Time Necessary to File an
WARN	IING:	where (A) ti and (B) all earlier appl	s of a new application may be finally rejected in the first Office action in those situations the new application is a continuing application of, or a substitute for, an earlier application, the claims of the new application (1) are drawn to the same invention claimed in the ication, and (2) would have been properly finally rejected on the grounds of art of record Office action if they had been entered in the earlier application." M.P.E.P. § 706.07(b),
NOTE:	and	or some rea	ble that the claims on file will give rise to a first action final for this continuation application ason an amendment cannot be filed promptly (e.g., experimental data is being gathered) able to file a petition for suspension of prosecution for the time necessary.
			(check the next item, if applicable)
		•	ed herewith a Petition To Suspend Prosecution for the Time Necessary endment (New Application Filed Concurrently)
			for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4] —page 6 of 8)

23. Sn	nall	Entity (37 C.F.R. § 1.28(a))
		pplicant has established small entity status by the filing of a statement in parent pplication on on
) A	copy of the statement previously filed is included.
WARNI	NG:	See 37 C.F.R. § 1.28(a).
WARNI	NG:	"Small entity status must not be established when the person or persons signing the statement can unequivocally make the required self-certification." M.P.E.P. § 509.03, 7th ed. (emphasis added).
24. NO	OTIF	CATION IN PARENT APPLICATION OF THIS FILING
] A	notification of the filing of this
		(check one of the following)
] continuation
] continuation-in-part
] divisional
is being		I in the parent application, from which this application claims priority under 35

ADDED PAGE(S) FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED

Added page _____

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.4]
—page 8 of 8)